

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Anthony R. Boyd

**Filed:** Concurrently herewith

**Serial No.:**

**For:** "High Torque and High Capacity Rotatable Center Core with Ram Body Assemblies"

**Docket No.:** 604.015

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed below and on the attached form PTO/SB/08A are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

**English-Language Documents:**

**Issue Date:**

- |   |                   |
|---|-------------------|
| 1. U. S. Pat. No. 1,723,934 to Heggem         | 08 August 1929    |
| 2. U. S. Pat. No. 1,854,058 to Otis           | 12 April 1932     |
| 3. U. S. Pat. No. 3,163,430 to Normand        | 29 December 1964  |
| 4. U. S. Pat. No. 3,145,995 to Adamson et al. | 25 August 1964    |
| 5. U. S. Pat. No. 4,860,826 to Land           | 29 August 1989    |
| 6. U. S. Pat. No. 5,645,098 to Morrill        | 08 July 1997      |
| 7. U. S. Pat. No. 6,113,061 to Van Winkle     | 05 September 2000 |
| 8. U. S. Pat. No. 6,223,819 B1 to Heinonen    | 01 May 2001       |
| 9. U. S. Pat. No. 6,244,336 B1 to Kachich     | 12 June 2001      |
| 10. U. S. Pat. No. 4,043,389 to Cobb          | 23 August 1977    |
| 11. U. S. Pat. No. 5,161,617 to Marschke      | 10 November 1992  |


Foreign-Language Documents:

The following foreign-language documents are being brought to the attention of the Examiner along with a concise explanation of the relevance of each document, as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information of each document: n/a

Respectfully submitted,

Date: \_\_\_\_\_

3-July-2003



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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet		of		Application Number	
				Filing Date	
				First Named Inventor	Anthony R. Boyd
				Art Unit	
				Examiner Name	
				Attorney Docket Number	604.015

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 1,723,934	08-08-1929	Heggem	
	2	US- 1,854,058	04-12-1932	Otis	
	3	US- 3,163,430	12-29-1964	Normand	
	4	US- 3,145,995	08-25-1964	Adamson et al.	
	5	US- 4,860,826	08-29-1989	Land	
	6	US- 5,645,098	07-08-1997	Morrill	
	7	US- 6,113,061	09-05-2000	Van Winkle	
	8	US- 6,223,819 B1	05-01-2001	Heinonen	
	9	US- 6,244,336 B1	06-12-2001	Kachich	
	10	US- 4,043,389	08-23-1977	Cobb	
	11	US- 5,161,617	11-10-1992	Marschke	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		n/a				

Examiner  
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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